

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2001-210504

(43)Date of publication of application : 03.08.2001

(51)Int.Cl. H01F 1/053
C22C 38/00
C23C 18/31
H01F 41/02
// C25D 7/00

(21)Application number : 2000-015369 (71)Applicant : HITACHI METALS LTD

(22)Date of filing : 25.01.2000 (72)Inventor : TANIGUCHI FUMITAKE

(54) R-T-B PERMANENT MAGNET

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an R-T-B permanent magnet, that is superior in corrosion resistance and where the heat resistance of magnetic characteristics is improved by reducing the quantity of hydrogen contained within plating in the plated R-T-B permanent magnet is set to 100 ppm or lower.

SOLUTION: The R-T-B permanent magnet whose surface is coated with the plating, where an R2T14B base intermetallic compound (R is one kind, or two kinds or more of rare earth elements which include Y, and T is Fe or Fe and Co) is a main phase, characterized in that the content of hydrogen of the plating is set equal to 100 ppm or lower.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's
decision of rejection]

[Kind of final disposal of application
other than the examiner's decision
of rejection or application
converted registration]

BEST AVAILABLE COPY

[Date of final disposal for
application]

[Patent number]

[Date of registration]

[Number of appeal against
examiner's decision of rejection]

[Date of requesting appeal against
examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office

BEST AVAILABLE COPY